

## Speaker Bios & Presentation Synopses

**Aileen Gagney** has a Masters Degree in Architecture, a Masters Degree in Fine Arts, is Green Advantage-Certified and Healthy Home Specialist. She is a Certified Renovator and Certified Dust Sampling Technician. She is a Trainer for the National Center for Healthy Housing's Essentials for Healthy Homes Practitioners Course. She has been an adjunct faculty member at the University of Washington, at North Seattle Community College and for the National Sustainable Building Advisor Program. She presently works for the American Lung Association and co-operates Tm4 Group, a consulting firm located in Seattle.

**Doug Kennedy** has 40 years of experience in the construction, property maintenance, and appraisal fields. He is highly experienced with sustainable and Healthy Home construction practices. He is Green Advantage-Certified, a Certified Renovator/Dust Sampling Technician. Educational experience involves instructing with the Health Home Training for Building Professionals Course and the EPA Lead RRP course. He has also been a guest lecturer on IAQ/IEQ at North Seattle and Shoreline Community Colleges. He is currently a general contractor and a member of TM4 Group, a consulting/training firm located in Seattle.

### **Presentation: Healthy Homes and Indoor Air Quality**

Creating healthy homes with good IEQ/IAQ is really a two part issue. One that involves understanding the complex and dynamic interaction between design and construction elements. The second recognizes the impact that proper ongoing owner operation and maintenance ultimately has on the long term health potential of both the building and the resident. We will explore this symbiotic relationship and discuss the cause and effect associations when any of the construction elements are overlooked, as well as the potential long term implications resulting from lack of home owner involvement and responsibility to create and maintain a healthy home.

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**Amanda Sturgeon** is the Certification Director at the International Living Building Institute (LBI) where she is responsible for the certification of Living Building Challenge projects. She is a licensed architect with 15 years experience designing and managing some of the most sustainable buildings in the Pacific Northwest. Prior to joining LBI she was a Senior Associate at Perkins+Will where she co-directed the Sustainable Design Initiative across 20 offices worldwide and managed numerous sustainable projects. Amanda was a founding board member of the Cascadia Region Green Building Council and a recent board member of AIA Seattle. Amanda won the Betterbricks Architects award in 2008 and has been involved in leading many local committees for USBGC and AIA.

### **Presentation: The Living Building Challenge**

The Living Building Challenge is a cohesive standard- pulling together the most progressive thinking from the worlds of architecture, engineering, planning, landscape design and policy. It challenges us to ask: What if every single act of design and construction made the world a better place? What if every intervention resulted in greater biodiversity: increased soil health; additional outlets for beauty and personal expression; a deeper understanding of climate, culture and place; a realignment of our food and

transportation systems; and a more profound sense of what it means to be a citizen of a planet where resources and opportunities are provided fairly and equitably?

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**Brad Liljequist** is an urban planner and sustainable building advisor with over 20 years' experience in fostering innovation in sustainable built environments. From 1988-1995, he worked for King County, where he managed the Northshore Community Plan, covering a population of 70,000, and the Quality Urban Environment program, catalyzing the market for dense, pedestrian oriented development. From 1995-2006, he worked for Buck and Gordon, representing a variety of private and public clients, including IslandWood and the City of Issaquah, where he has coordinated the green building program since 2002. In 2006 he joined the City to manage zHome, the first production, multifamily zero energy community in the US. He graduated cum laude from Georgetown University, and has a Master's in Environmental Policy from the UW Evans School.

**Presentation : zHome – Catalyzing a Revolution in Zero Energy, Low Impact Homes for the 21st Century**

The zHome community in Issaquah, currently under construction, will be the first multifamily, true zero energy, carbon neutral housing in the US. zHome aims to transform the production housing market with an inspiring template for zero to low impact living and homes. A public-private partnership led by the City of Issaquah, zHome includes a major market transformation and education program. More information about the project is at [z-home.org](http://z-home.org).

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**Carol Hetfield**, USEPA, is a senior advisor in the Economics, Exposure, and Technology Division (EETD) within the Office of Pollution Prevention & Toxics. Carol is co-leading the Spray Polyurethane Foam Federal Work Group, promoting health and safety best practices and looking at exposure assessment gaps.

**Presentation: Spray Polyurethane Foam Best Practices**

Spray Polyurethane Foam (SPF) is a highly effective insulator and sealant widely used for weatherization on new and existing homes, schools, and other buildings. SPF contains isocyanates, chemical substances recognized as the leading attributable cause of work-related asthma. In 2009, EPA convened a federal workgroup with representatives from NIOSH, OSHA, and CPSC and challenged the polyurethanes industry to address the following goals: improve the accuracy and comprehensiveness of hazard information; develop “best practices” to prevent exposures; address misleading marketing; and, address key exposure data gaps, such as when is it safe for occupants re-enter the premises after SPF application? For more information, see [http://epa.gov/dfe/pubs/projects/spf/spray\\_polyurethane\\_foam.html](http://epa.gov/dfe/pubs/projects/spf/spray_polyurethane_foam.html)

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**Cheri Zehner** is an industrial hygienist with over 25 years of experience in public health and environmental health programs. She has been conducting indoor air quality investigations for the past 12 years on commercial, residential and academic buildings. She was an IAQ Tools-for-Schools Master Trainer and has given training workshops to

numerous school districts. She was a member of the advisory team for the Lung Association's Master Home Environmentalist (MHE™) Program for 5 years. Ms. Zehner has a master's degree in Public Health from the University of Washington.

**Presentation: Indoor Air Pollution and Ventilation**

What are the common pollutants in indoor air? Where do they come from? How can they be mitigated?

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**Clinton Holzhauer**, after achieving his Masters degree in Australia, moved to Europe and worked for a number of years as a professional juggler. He moved to the Pacific NW twenty years ago and started working in an environmental testing lab as a chemist. Later he worked in a lab as forensic chemist doing material and process failure investigations. It was in that position that he first addressed IAQ problems. Clinton is currently managing a dynamic and experienced group of health and safety professionals providing both reactive and proactive IAQ services to commercial, public and residential clients.

**Presentation: Why IAQ is Important and How to Know It Is Good**

Promoting good indoor air quality (IAQ) is an oft-cited cornerstone of the rapidly growing industry addressing "green" and sustainable buildings. But is IAQ really getting the attention it deserves? This presentation discusses some of the health and economic impacts of indoor air quality then examines how IAQ is being addressed in some of the popular building rating systems, such as LEED®. Information regarding different building rating systems and several resources to assist in selecting products and building materials that have a minimal impact on a building's IAQ will be provided.

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**Dan Wildenhaus**. As regional trainer/technical support for the Northwest Energy Star Homes program, Dan has completely immersed in the discussion of what is required to create High Performance Homes. Dan has over 15 years of experience working directly for a contractor; doing energy audits, weatherization repairs, and consulting for private clients in both New Construction and the existing home market. Dan is the Technical Standards Chair for Home Performance Washington as well as an instructor at South Seattle Community College where he trains tomorrow's Home Performance Workforce. Dan also provides Building Science consultation and training services for Fluid Market Strategies.

**Presentation: Energy Star Homes**

With ever changing codes and program requirements, many people are unaware of the New Specifications for the Northwest Energy Star Homes Program. Join Dan Wildenhaus for an hour long discussion of the new Specifications and how they help make our building stock more energy efficient, durable, safe, comfortable and with healthy Indoor Air Quality.

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**Brian Geller - Sustainability Specialist, ZGF Architects**

Brian Geller has worked for ZGF architects as a sustainable design leader since 2008, overseeing sustainable design of major projects at the Seattle office, including Seattle's

King Street Station and Nintendo of America's new corporate headquarters in Redmond, WA. He recently won the national Natural Talent Design Competition hosted by the U.S. Green Building Council. Mr. Geller currently serves on three technical advisory committees for the City of Seattle. Brian Geller has a Masters Degree in Architecture from Parsons School of Design and a Bachelor of Science in Business Administration from Skidmore College.

**Peter Dobrovolny, Green Building Specialist, City of Seattle Green Building, Washington**

Peter Dobrovolny is a part of the City of Seattle's Green Building Program and works with the private sector development community to fulfill the mission of the City of Seattle initiatives to accelerate green building in the private sector. Peter has a Bachelor of Architecture from CU and Master of Urban Planning from UW and is a member of the AIA, APA and CRGBC.

**Presentation: Seattle 2030 District**

Motivated by a recently passed energy-use disclosure ordinance, the Seattle 2030 District is new model of collaborative problem solving. Building owners, managers, city staff and development professionals are meeting bi-weekly to share proprietary energy data and best practices with a collective goal of meeting the 2030 Challenge not just for individual buildings but collectively across six downtown Seattle commercial, office and residential neighborhoods. This tight-knit community is developing building benchmarking and data gathering competence, aggressive energy efficiency services and financing, with supporting education and training to meet these goals and Seattle's goal of being a carbon neutral City by mid-century.

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**Callie Ridolfi**

Callie Ridolfi is Managing Director of ecoFAB, a women-owned social venture around sustainable homes and work force development. She is a civil/environmental engineer and LEED accredited professional. Her inspiration comes from work in Indian country, where needs for healthy housing and living wage employment are great.

**Presentation: Elder Healthy Home: A Prototype for Indian Country**

The "Elder Healthy Home" project is to showcase a prototype home to demonstrate an approach to green, affordable, and sustainable housing for senior citizens in the Puget Sound Area and Tribes in the region. The Elder Healthy Home was built in conjunction with the Puyallup Indian Tribe and was completed in the spring of 2008. EcoFAB provides jobs, on-the job skills development, and a career path by implementing projects that reduce energy use and carbon footprint in residential buildings and partnering with training institutions and organizations. Profits go to training and scholarships.

Other speakers include:

Dennis McLerran, Regional Administrator, EPA, Region 10; Mary McBride, Regional Administrator, HUD; Eric Werling, EPA Headquarters, Indoor airPLUS program, Dave Blake, Northwest Clean Air Agency, Rich Prill, WSU, Michael Aoki-Kraemer, RDH Building Science, Inc., Lisa Quinn, Feet First.